

**The Affirmatively Furthering Fair Housing Data and Mapping Tool (AFFH-T):  
Known Issue Status for AFFH-T Release 4.1**

**Date Published: December 20, 2017**

As part of its efforts to support program participants in conducting their Assessments of Fair Housing (AFHs), HUD is continuously improving the data and functionality in AFFH-T. As issues arise, the Department documents them and updates this document with the status of the issue. Below is a list of issues and the status of those issues in the AFFH-T Release 4.1. There are two tables provided below: one for known issues related to general functionality in the online tool and another table for issues related to data.

If you would like to report a new issue, please submit your report and questions using the [“Ask a Question”](#) tool on the HUD Exchange website. There is also additional information provided on the [AFFH Frequently Asked Questions](#) website.

Users are also encouraged to review the information provided on AFFH-T page of the HUD Exchange website, which provides the AFFH-T User Guide and Data Documentation. Any additional information on future updates and changes to the AFFH-T will be posted on HUD Exchange. HUD continues to encourage you to subscribe to HUD Exchange Mailing List to receive the most up-to-date information on critical deadlines, policy changes, and upcoming trainings in your inbox.

**Known Issues and Status: General Functionality in the AFFH-T**

<b>Date Known Issue Added to this Document</b>	<b>Issue</b> (in order of most recently reported)	<b>Cause/reason</b> (if currently known)	<b>Status</b>
November 30, 2017	The starting map extent/view for any regional map may actually be smaller than the starting map extent/view for their jurisdiction. This does not occur for the majority of program participants.	To maximize performance, the starting extent/view for jurisdictions and regions are tied to the different scales for caching. The AFFH-T utilizes a baseline formula to optimize the extent/view to adjust for the different scales. However, because of the wide range of scales across the various jurisdictions and regions, a phenomenon may occur where the starting map extent/view for a jurisdiction is larger than the starting map	HUD continues to review how the user experience in the AFFHT could be improved.  Users may use the zoom in/out tool to adjust the view of maps.

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		extent/view for a region. See El Paso County, CO as an example.	
November 30, 2017	When a user adjusts the visibility of individual dot-density layers in the map Table of Contents (TOC) the adjustments do not appear in the print function (Maps 1-15). This affects all dot-density layers: Race/Ethnicity, National Origin, LEP and Disability.	There is an error in the print function that does not save the user's adjustments to the visibility of the dot-density layers.	This will be corrected in a future release of the AFFH-T. Until such time, users can create screenshots to save images of maps.
November 30, 2017	For local governments that are HOME Consortia, the legend and Table of Contents (TOC) for National Origin and LEP maps do not load.	There is an error in the application that prevents the legend and TOC from displaying.	This will be corrected in a future release of the AFFH-T. Until such time, users can refer to Table 1, that contains the top 5 most populous groups for National Origin and LEP. For reference, the following may help users interpret the colors used in the dot-density maps in conjunction with Table 1: <ul style="list-style-type: none"> <li>• 1<sup>st</sup> most populous group – dot color is orange</li> <li>• 2<sup>nd</sup> most populous group – dot color is green</li> <li>• 3<sup>rd</sup> most populous group – dot color is black</li> <li>• 4<sup>th</sup> most populous group – dot color is purple</li> <li>• 5<sup>th</sup> most populous group – dot color is blue</li> </ul>
November 30, 2017	In maps with National Origin and LEP (Maps 3,4, 7-13), dots may appear outside the jurisdictional or regional boundaries.	National Origin and LEP maps display based on Census tracts. When Census tracts overlap jurisdictional or regional boundaries, some dots may display outside of those boundaries.	HUD continues to review how the user experience in the AFFHT could be improved.

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November 17, 2017	There are five jurisdictions that have different boundaries for CDBG and for HOME funding. This does not cause any specific functionality issues for the AFFH-T, however, in the <a href="#">AFFH User Interface</a> (AFFH-UI), program participants receive an error when trying to retrieve the maps and tables.	For these jurisdictions, the CDBG and HOME boundaries use the same geographic identifier, which causes an error in the AFFH-UI. These five jurisdictions are: <ul style="list-style-type: none"> <li>• Los Angeles County, CA</li> <li>• Riverside County, CA</li> <li>• Orange County, CA</li> <li>• Cobb County, GA</li> <li>• Collier County, FL</li> </ul>	In a future release, HUD plans to remove the HOME maps and tables for the affected five jurisdictions from the AFFH-T. The CDBG maps and tables will continue to be available in the AFFH-T. Until this fix is implemented, HUD will continue to provide technical assistance to the HUD field offices and the program participants affected by this issue.
November 17, 2017	If a program participant no longer participates in a CDBG, ESG, HOME, HOPWA or HOME Consortia program, effective FY2017, that jurisdiction will not be included in the list of program participants to choose from in the AFFH-T's "Build an AFFH Map" menu.	The pull-down list in the Program Participant Selection menu reflects the most recent list of program participants. The FY2017 list is used in the newest data version, AFFHT0004, released on November 17, 2017, which is the default data version in the AFFH-T. Any program participant who is no longer a program participant effective FY2017 will not see their jurisdiction on the list when using AFFHT0004.  Note: All previous data versions still provide maps and tables for FY2016 program participants. This only affects jurisdictions that were program participants in FY2016, but were removed from the FY2017 list.	HUD continues to review how the user workflow in the AFFHT could be improved. Meanwhile, users that want to access data for FY2016 program participants that are not on the FY2017 list will need to follow the following steps: <ol style="list-style-type: none"> <li>1. Start with the default data version, AFFHT0004, using any choice of jurisdiction.</li> <li>2. After the map loads, switch data versions using the Data Version selection feature in the left-hand menu.</li> <li>3. Return to the AFFH Maps menu and select a different type of program participant.</li> <li>4. Switch back to the intended program participant type, which refreshes the program participant list with the FY2016 list.</li> </ol>

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November 17, 2017	When users switch to a regional extent/view in maps with National Origin and Limited English Proficiency (LEP) map layers (Maps 3,4 and the national origin variation in Maps 7-13), users are unable to toggle off/on individual National Origin or LEP categories.	Due to an error in the application, users will not be able to toggle the National Origin or LEP layers on/off for the regional view.  Note: This affects regional-level maps only and does not affect jurisdiction-level maps.	This will be corrected as soon as possible in a future release of the AFFH-T.
November 17, 2017	When users access Data Version AFFHT0003, State Map 7 for Kansas, West Virginia and Puerto Rico contain missing county data for most of the state.	There is an error in the application and dataset. These states did not have newer data in the last update (AFFHT0003 released in July 2017), but the previous data should be applied to the maps until newer data becomes available.  Note: This affects only State Map 7, and does not affect Local Government maps.	This has been corrected in data version AFFHT0004 (November 17, 2017).
September 29, 2017	Maps do not fully load or takes longer than normal to load.	Some of the maps will have more features relative to other maps, particularly if the jurisdiction or region is relatively dense and/or has a larger area size than other areas.  Also, as with any online application, performance depends on internet connection speed and any firewall and proxy servers on the user's network.	HUD continues to monitor the eGIS applications for possible improvements in performance and functionality.  Users should regularly clear the browser's cache and cookies, and reopen the browser window.  For some users, certain web browsers, such as Chrome and Firefox, may load AFFH-T maps more quickly than other browsers.
September 29, 2017	The pop-up in State Map 5 contains the incorrect count for publicly supported housing.	Currently, the pop-up displays the count of all housing units, instead of a count for all Public Housing, Project-Based Section, Other Multi-Family and House Choice Vouchers (HCV).	This has been corrected in Data Version AFFHT0004 (November 17, 2017).

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September 29, 2017	In Maps 7-13, pop-ups do not have correct formatting. The opportunity indices should be displayed as whole numbers, instead of values with decimal points	The source data for the pop-ups requires reformatting.	This has been corrected in Data Version AFFHT0004 (November 17, 2017). For Local Government and PHA maps, the indices are displayed as whole numbers. For States, the indices are calculated as average tract indices across counties, for which two decimal values are displayed.
July 20, 2017	In the National Origin and Limited English Proficiency (LEP) maps, pop-up windows for census tracts outside the chosen jurisdiction or region boundary do not appear to have the correct 5 most populous categories and counts.	The 5 most populous categories are specific only to a particular jurisdiction or a region. Areas outside those boundaries are likely to have a different set of the 5 most populous groups for either National Origin or LEP.	This was corrected in AFFH-T Release 4.1 on September 29, 2017. The fix implemented disables the layers for National Origin and Limited English Proficiency (LEP) maps for areas outside the chosen boundary. These layers are only displayed within the jurisdiction or region chosen.
July 20, 2017	Some of the thematic maps appear to have missing data.	Some of the indices and other data displayed in the thematic maps are not available for every census tract.	This was corrected in AFFH-T Release 4.1 on September 29, 2017.
July 20, 2017	Duplicate jurisdictional boundaries appear on some maps when a different data version has been selected.	There is an error in the online application.	This was corrected in AFFH-T Release 4.1 on September 29, 2017.

### Known Issues and Status: AFFH-T Data

Note: check marks (✓) identify in which version(s) of data the issue is present. AFFHT0003a refers to the raw data/public use file that was released on September 29, 2017. It is identical to the data in AFFHT0003, except for the addition of States and PHAs.

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December 15, 2017	<p>The Jobs Proximity Index calculated at the regional level (Table 12) is inaccurate.</p> <p>This does not affect the jurisdictional level data in Table 12 nor the block group level data in Map 8.</p>	<p>There are errors in the crosswalk used when Census block groups were matched to regions. This resulted in some block groups being incorrectly matched to regions when the index was calculated.</p>	<p>This will be corrected in a future release of the AFFH-T.</p>		✓	✓	✓	✓
December 15, 2017	<p>In Table 12, some of the racial categories for the population below the federal poverty line are inaccurate</p> <p>The categories labeled Black, Non-Hispanic, Asian, Non-Hispanic and Native American, Non-Hispanic should be labeled Black, Asian and Native American, respectively. The data provided in Table 12 include both Hispanic <i>and</i> Non-Hispanic for these particular racial groups.</p> <p>This issue does not affect the racial categories for total population, it only applies to the data for the population below the federal poverty</p>	<p>The data used to calculate the racial differences in the average opportunity indices at the jurisdiction and region level are different when estimating for the total population, compared to the population below the federal poverty line.</p>	<p>This will be corrected in a future release of the AFFH-T.</p>	✓	✓	✓	✓	✓

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	line. Also, this issue does not affect the estimates for White, Non-Hispanic nor for Hispanic.							
November 17, 2017	In AFFHT0003, the transit trips index and the low transportation cost index for PHAs and States was calculated with a vintage of the Location Affordability Index (LAI) data that was different than what was published in the data documentation and was not consistent with the data used for Local Governments.	The incorrect vintage of LAI data was used to calculate the PHA and State maps and tables that were added to AFFHT0003 on September 29, 2017.  Note: Only PHA and State maps and tables were corrected. This did not affect Local Government maps and tables.	This has been corrected in Data Version AFFHT0004 (November 17, 2017). In AFFHT0004, all transportation indices are calculated using LAI 2008-2012.			✓	✓	
September 29, 2017	In Map 2, Racially or Ethnically Concentrated Areas of Poverty (R/ECAPs) for 1990 and 2000 trend data map variations are incorrect. Map 2 in the AFFH-T incorrectly displays the location of historical R/ECAPs for 1990 and 2000.	In the July 20, 2017 release of Data Version AFFHT0003, the online application had the incorrect R/ECAPs for 1990 and 2000 trend data.  Note: This issue does not affect R/ECAPs for Map 1 (Current) and Map 2 (trend data for 2010 map variation) in the online application.	This has been corrected in Data Version AFFHT0004 (November 17, 2017). Map 2 in the AFFH-T now displays the correct location of historical R/ECAPs for 1990 and 2000 trend data map variations. The public use file for	✓	✓	✓	✓	

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			AFFHT0004 has the correct R/ECAP data.					
September 29, 2017	In the public use files/raw data, R/ECAPs do not match what is in the maps (any maps displaying R/ECAPs).	The public use files/raw data contain the wrong identifiers for R/ECAPs both in the current and trend data.	This will be corrected as soon as possible in a future revision of the public use files/raw data.	✓	✓	✓	✓	
September 29, 2017	The Environmental Health Index is missing in some areas and requires correction. (Map 14 and Table 12)	There are errors in the coding and crosswalk used when Census tracts were matched to jurisdictions or regions. This resulted in some tracts being incorrectly matched to jurisdictions or regions when the index was calculated.	This has been corrected in Data Version AFFHT0004 (November 17, 2017).		✓	✓	✓	
September 29, 2017  Updated December 15, 2017	School Proficiency Index requires correction (Map 7 and Table 12).  <i>Updated December 15, 2017:</i> Originally this issue was incorrectly noted as only affecting AFFHT0003/003a; it also affects AFFHT0002.  The raw data for the school proficiency index in AFFHT0002 does not match the data in the AFFH-T online application.	There are errors in the coding and crosswalk used when Census tracts were matched to jurisdictions or regions. This resulted in some tracts being incorrectly matched to jurisdictions or regions when the index was calculated.	This has been corrected in Data Version AFFHT0004 (November 17, 2017).  The public use files/raw data for the school proficiency in AFFHT0002 will be corrected in a future revision of the public use files/raw data.		✓	✓	✓	



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September 29, 2017	Job Proximity Index (Map 8 and Table 12) for States in the initial beta release (State-beta) requires correction.	The Job Proximity Index is based on data for Core Based Statistical Areas (CBSAs), and is not applicable to analysis for States at the county level.  Note: This does not affect any maps or tables for Local Governments or PHAs.	Map 8 and Table 12 for States will contain data on the number of jobs, instead of the Job Proximity Index. This will be corrected as soon as possible in a future release of the AFFH-T and in a revision of the public use files/raw data.				✓	✓
July 20, 2017	In Data Version AFFHT0002 (released January 17, 2017), the maps in the AFFH-T incorrectly displayed the location of R/ECAPs (all maps displaying R/ECAPs).	The data for R/ECAPs in the tables/reports were correct, but did not match what was displayed in the maps.	This has been corrected in Data Version AFFHT0003 (July 20, 2017).		✓			
July 20, 2017	After the data versioning selector feature was added in AFFH-T Release in 4.0, there were incorrect counts for region-level 2010 trend race/ethnicity if the data version was switched to AFFHT0001 (Table 2).	In Release 4.0, there was a new column added to make 2010 trend data more comparable with 1990 and 2000. The data for regional level data was incorrect.	This has been corrected in Data Version AFFHT0003 (July 20, 2017).	✓	✓			
July 20, 2017	Total counts for Publicly Supported Housing units were incorrect for some of the regional data (Map 5, Tables 5-8, 11, 15).	There were errors in summarizing counts at the regional level.	This has been corrected in Data Version AFFHT0003 (July 20, 2017).	✓	✓			

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July 20, 2017	The Jobs Proximity Index required corrections to the methodology that summarized populations in poverty for local government jurisdictions (Map 7 and Table 12).	There were errors in calculating and coding the Jobs Proximity Index.	This has been corrected in Data Version AFFHT0003 (July 20, 2017).	✓	✓			
July 20, 2017	National Origin maps and tables were blank for some regions in Puerto Rico (Map 3, Tables 1 and 2).	Data on National Origin in the maps and tables was missing for some of the regions in Puerto Rico.	These data were added to Data Version AFFHT0003 (July 20, 2017).	✓	✓			
July 20, 2017	There were incorrect values for regional level counts of Hispanic and Native American, Non-Hispanic residents (Table 2).	Data values for Hispanic and Native American, Non-Hispanic were reversed in the regional trend data in Table 2.	This has been corrected in Data Version AFFHT0003 (July 20, 2017).		✓			
July 20, 2017	Population and other demographic counts may differ from Census estimates tabulated at the Place, County or other units of other local government (Tables 1 and 2).	Jurisdiction population counts were aggregated from block-group data, counting block-groups in the jurisdiction if the block-group centroid was in the jurisdiction. This leads to some inconsistencies between published jurisdiction population counts and those reported in AFFH-T.	In a future release, HUD plans to use published jurisdiction population counts.	✓	✓	✓	✓	✓
July 20, 2017	Puerto Rico data does not include trend data for dissimilarity indices (1990 and 2000) and data for transit,	Some data for Puerto Rico are not available in the existing data sources used in the AFFH-T.	For all eGIS tools, HUD continues to review possible	✓	✓	✓	✓	✓

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	low transportation and jobs proximity indices (Tables 3 and 12).		improvements to data sources.					
July 20, 2017	Some of the Publicly Supported Housing developments have pop-ups that show NULL values (Map 5).	There are two potential causes of this issue. The first cause is related to data suppression for the purpose of individual privacy protection. HUD has intentionally redacted data for developments where the number of units reported is 10 or fewer. The second cause stems from a how the data are sourced for AFFH-T. The publicly supported housing locations and associated tenant characteristics are sourced from two different data sets. The regular, ongoing updates to these two datasets have not been in sync, resulting in data not being displayed for certain developments.	HUD plans to make the distinction between missing data and redacted data clearer to the user in a future release of the AFFH-T. HUD also plans synchronize the update to both datasets.	✓	✓	✓	✓	✓
July 20, 2017	Tables 17 and 18 are not yet reflected in Release 4.1.	Tables 17 and 18 are tables that are specifically for use by public housing agencies (PHAs), and are not required	HUD is exploring options for correcting		✓	✓	✓	✓

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		for use in the analysis conducted by local governments, but are referenced in the Assessment Tools and their accompanying instructions. Table 17 consists of the demographics of PHA assisted households and Table 18 consists of PHA assisted residents by race/ethnicity.	this in a future release of the AFFH-T.					